ELSEVIER

Journal of Organometallic Chemistry 491 (1995) C12–C13

Journal of Organometallic Chemistry

Author Index of Volume 491

Abakumov, G.A., 127
Abakumova, L.G., 127
Ahlgrèn, M., 195
Al-Juaid, S., C7
André, C., 135
André, S., C5
Artus, G., 181
Austin, R.N., 11

Beck, W., 203
Behrens, U., 19
Beller, M., C1
Bensimon, C., 61
Bergs, R., 203
Bertran-Nadal, J., 135
Besançon, J., 31
Brady, F.J., 169
Broßmer, C., C1
Brown, D.B., 189

Cardin, D.J., 169
Castiglioni, M., 111
Çetinkaya, E., C7
Cherkasov, V.K., 127
Chernega, A.N., 153
Choi, J.-C., 97
Clark, G.R., 219
Clark, T.J., 11
Collins, J.E., 159

Damiano, J.-P., 61
Dickson, T.E., 11
Domin, M., 169
Druzhkov, N.O., 127
Duboudin, J.-G., C5
Duchateau, R., 153
Dyson, P.J., 189
Dzhemilev, U.M., 1

Edelmann, F.T., 153
Englert, U., 27
Enzelberger, M.M., 83

Fabbri, D., 91
Fehlhammer, W.P., 135
Fernández de Bobadilla, R., 203
Filippou, A.C., 47
Fischer, H., 71, C1, 267
Fröhlich, H.-O., 41
Früh, A., 267

Fujii, N., 173
Fujiwara, Y., 173

Gaimaldinov, R.G., 1
Giordano, R., 111
Gladiali, S., 91
Gómez, M., 121
Gómez, R., 153
Gómez-Sal, P., 121
Görls, H., 41
Green, M.L.H., 153

Herrmann, W.A., C1, 181
Hiller, W., 283
Hitchcock, P.B., C7
Hossain Md., M., 291
Huang, X., 57

Jennings, M.C., 255
Johnson, B.F.G., 189

Kakkonen, H.J., 195
Kalyanasundari, M., 103
Kay, M., 247
Kernbach, U., 135
Killian, C.M., 11
Kim, Y.-J., 97
Kleine, M., 47
Kollàr, L., 91
Kong, D., 57
Kreißl, F.R., 283
Küçükbay, H., C7
Kursky, Ju.A., 127

Lampeka, R., 203
Lappert, M.F., C7
Leoni, P., 27
Lindsell, W.E., 275
Lotz, S.D., 135

Mackay, K.M., 247
Makarenko, N.P., 127
Manojlovic-Muir, L., 255
Mathur, P., 291
Mays, M.J., 255
McCullough, K.J., 275
McPhail, A.T., 11
Mehnert, C., 47
Meurice, J.-C., C5
Mihan, S., 203

Moïse, C., 31
Muir, K.W., 255
Munyejabo, V., 61

Nevodchikov, V.I., 127
Ng, M.M.P., 219
Nicholson, B.K., 247
Nicolás, M.P., 121
Nile, T.A., 11
Nuyken, O., 181

Öfele, K., C1
Osakada, K., 97
Ostermeier, J., 283

Pakkanen, T.A., 195
Panchanatheswaran, K., 103
Panther, T., 19
Parker, D., 189
Pasquali, M., 27
Periasamy, M., 263
Pieri, G., 27
Plancq, S., 275
Polborn, K., 203
Postel, M., 61
Puranik, V.G., 291
Pursiainen, J., 195

Rama Reddy, M., 263
Ratier, M., C5
Reger, D.L., 159
Riede, J., 71
Rieger, D., 135
Robinson, W.T., 103
Roper, W.R., 219
Roustan, J.L., 61
Royo, P., 121

Sappa, E., 111
Schabacker, D.J., 11
Schmid, J., 71
Schwarz, W., 83
Siegbahn, P.E.M., 231
Solan, G.A., 255
Stumpf, R., 267
Sultanov, R.M., 1
Szymoniak, J., 31

Takaki, K., 173
Taniguchi, Y., 173
Tavale, S.S., 291

Teuben, J.H., 153
Toupet, L., 31
Trimaille, B., 31
Trivedi, R., 291
Turkina, G.Yu., 215

Vallier, M., C5
Viebrock, H., 19
Volkland, H.-P., 267
Voronkov, M.G., 215

Wache, S., 181
Wang, S., 57
Wanninger, K.M.A., 47
Weiss, E., 19
Wen, H., 103
Westerhausen, M., 83
Wolf, D., 181
Woulfe, K.W., 255
Wright, L.J., 219
Wyrwa, R., 41

Yarosh, O.G., 215
Ye, Z., 57

ELSEVIER

Journal of Organometallic Chemistry 491 (1995) C14–C20

Journal of Organometallic Chemistry

Subject Index of Volume 491

Acylphosphonate
Lanthanoid-metal-mediated reaction of acylphosphonates: evidence for the formation of an acyllanthanoid complex (Y. Taniguchi, N. Fujii, K. Takaki and Y. Fujiwara), 173
Alkene
Cyclodimethylsilethenes $(Me_2SiCH{=}CH)_n$ (M.G. Voronkov, O.G. Yarosh and G.Yu. Turkina), 215
Some novelties in the chemistry of organomagnesium compounds with zirconium complexes (U.M. Dzhemilev, R.M. Sultanov and R.G. Gaimaldinov), 1
Alkenyl derivatives
Syntheses of carbene and alkenyl derivatives of palladium. Solid-state structures of $\{(Me_2NCS_2)Pd(PEt_3)[\eta^1\text{-}C(N(CH_3)C(CH_3)_3)CH_3]\}BPh_4$ and $\{(Me_2NCS_2)Pd(PEt_3)[\eta^1\text{-}C(NHC(CH_3)_3)CH_3]\}PF_6 \cdot Et_2O$ (D.L. Reger and J.E. Collins), 159
Alkoxide
Synthesis and properties of amido- and alkoxopalladium(II) complexes with tmeda (*N,N,N′,N′*-tetramethylethylenediamine) ligand (Y.-J. Kim, J.-C. Choi and K. Osakada), 97
Alkyne
Double hydrostannation of terminal alkynes in the presence of thiol (J.-C. Meurice, M. Vallier, S. André, M. Ratier and J.-G. Duboudin), C5
Alkyne complexes
Ein einfacher Syntheseweg für Cyclobutenylidenwolfram-Komplexe—Struktur von Pentacarbonyl(phenylacetylen)wolfram (H. Fischer, H.-P. Volkland, A. Früh und R. Stumpf), 267
Allylruthenium(IV)
Single component ruthenium(IV) catalysts for the ring-opening polymerization of norbornene (S. Wache, W.A. Herrmann, G. Artus, O. Nuyken and D. Wolf), 181
Aluminium
Reaction on the addition of some organometallic compounds to 3,6-di-*tert*-butyl-*o*-benzoquinone: new *o*-quinones (G.A. Abakumov, V.K. Cherkasov, L.G. Abakumova, V.I. Nevodchikov, N.O. Druzhkov, N.P. Makarenko and Ju.A. Kursky), 127
Amide
Metallkomplexe mit biologisch wichtigen Liganden. LXXVI. Halbsandwichkomplexe von Cobalt(III), Iridium(III) und Ruthenium(II) mit Amiden von 2-Hydroxyiminocarbonsäuren (R. Lampeka, R. Bergs, R. Fernández de Bobadilla, K. Polborn, S. Mihan und W. Beck), 203
Synthesis and properties of amido- and alkoxopalladium(II) complexes with tmeda (*N,N,N′,N′*-tetramethylethylenediamine) ligand (Y.-J. Kim, J.-C. Choi and K. Osakada), 97
Amine complexes
Monopentamethylcyclopentadienyl isocyanide, amine and imido tantalum(V) complexes. X-ray crystal structure of $[TaCp^*Cl_4(CN\text{-}2,6\text{-}Me_2C_6H_3)]$ (M. Gómez, P. Gómez-Sal, M.P. Nicolás and P. Royo), 121
Aminocarbyne complexes
Chromium–carbon multiple bonds: aminocarbyne complexes of chromium bearing isocyanide ligands (A.C. Filippou, C. Mehnert, K.M.A. Wanninger and M. Kleine), 47
Amphiphilic carbene complexes
Amphiphilie kationischer η^2-Phosphinocarbenkomplexe des Wolframs (J. Ostermeier, W. Hiller und F.R. Kreißl), 283
Arsenic
Reaktivität von Magnesium- und Calcium-bis[bis(trimethylsilyl)-phosphanid] gegenüber Bis[bis(trimethylsilyl)amino]stannylen in Toluollösung (M. Westerhausen, M.M. Enzelberger und W. Schwarz), 83
Asymmetric hydroformylation
Asymmetric hydroformylation of styrene catalysed by platinum–tin complexes with chiral bis-binaphthophosphole ligands (S. Gladiali, D. Fabbri and L. Kollàr), 91
Atropisomeric ligands
Asymmetric hydroformylation of styrene catalysed by platinum–tin complexes with chiral bis-binaphthophosphole ligands (S. Gladiali, D. Fabbri and L. Kollàr), 91

Benzamidinato
Mono-η-cyclopentadienyl-benzamidinato chloro compounds of titanium, zirconium and hafnium (R. Gómez, R. Duchateau, A.N. Chernega, J.H. Teuben, F.T. Edelmann and M.L.H. Green), 153
Benzene
Benzene migration and isomer interconversion in $Ru_5C(CO)_{12}(C_6H_6)$: Comparison of solution and isolation matrix phenomena (D.B. Brown, P.J. Dyson, B.F.G. Johnson and D. Parker), 189
Bis(trimethylsilyl)phosphanide
Reaktivität von Magnesium- und Calcium-bis[bis(trimethylsilyl)-phosphanid] gegenüber Bis[bis(trimethylsilyl)amino]stannylen in Toluollösung (M. Westerhausen, M.M. Enzelberger und W. Schwarz), 83
Bridging ligand
Synthesis of dimanganese complexes containing mixed bridging phosphido ligands; crystal structures of $[Mn_2(\mu\text{-}PPh_2)(\mu\text{-}PPhMn(CO)_5)(CO)_8]$ and $[Mn_2(\mu\text{-}PPhH)(\mu\text{-}PPhCOMe)(CO)_8]$ (L. Manojlovic-Muir, K.W. Muir, M.C. Jennings, M.J. Mays, G.A. Solan and K.W. Woulfe), 255

C_{60}
New organometallic complexes of buckminsterfullerene having π-bonded nickel, palladium, or platinum with triorganophosphite ligands, and their characterisation (F.J. Brady, D.J. Cardin and M. Domin), 169
Cadmium
Reaction on the addition of some organometallic compounds to 3,6-di-*tert*-butyl-*o*-benzoquinone: new *o*-quinones (G.A.

Abakumov, V.K. Cherkasov, L.G. Abakumova, V.I. Nevodchikov, N.O. Druzhkov, N.P. Makarenko and Ju.A. Kursky), 127

Calcium

Reaktivität von Magnesium- und Calcium-bis[bis(trimethylsilyl)-phosphanid] gegenüber Bis[bis(trimethylsilyl)amino]stannylen in Toluollösung (M. Westerhausen, M.M. Enzelberger und W. Schwarz), 83

Carbene

Carbene complexes. XXIV. Preparation and characterization of two enetetramine-derived carbenerhodium(I) chloride complexes $RhCl(L^R)_3$ and $[RhCl(COD)L^R]$ {L^R = CN(Me)-C(CH)$_4$CNMe-*o*} and the preparation and X-ray structures of the enetetramine L_2^R and its salt $[L_2^R][BF_4]_2$ (E. Çetinkaya, P.B. Hitchcock, H. Küçükbay, M.F. Lappert and S. Al-Juaid), C7

Syntheses of carbene and alkenyl derivatives of palladium. Solid-state structures of $\{(Me_2NCS_2)Pd(PEt_3)[\eta^1\text{-}C(N(CH_3)C(CH_3)_3)CH_3]\}BPh_4$ and $\{(Me_2NCS_2)Pd(PEt_3)[\eta^1\text{-}C(NHC(CH_3)_3)CH_3]\}PF_6 \cdot Et_2O$ (D.L. Reger and J.E. Collins), 159

Carbonyl

Benzene migration and isomer interconversion in $Ru_5C(CO)_{12}(C_6H_6)$: Comparison of solution and isolation matrix phenomena (D.B. Brown, P.J. Dyson, B.F.G. Johnson and D. Parker), 189

Binuclear complexes of rhodium or copper with pentamethylcyclopentadienyltricarbonyltungsten. Crystal structure of $(\eta^5\text{-}C_5Me_5)(CO)W(\mu\text{-}CO)_2Rh(PPh_3)_2$ (W.E. Lindsell, K.J. McCullough and S. Plancq), 275

The X-ray crystal structures of $ClPh_2SnFe(CO)_3(NO)$ and $Ph_3SnFe(CO)_3(NO)$ and a re-investigation of the IR spectra of $XR_2SnFe(CO)_3(NO)$ species (M. Kay, K.M. Mackay and B.K. Nicholson), 247

Catalysis

Metal carbonyl clusters in homogeneous catalysis. Hydrogenation and isomerization of cyclic dienes in the presence of $[H_4Ru_4(CO)_{12}]$, $[H_2Ru_4(CO)_{13}]$, $[H_2FeRu_3(CO)_{13}]$ and $[Fe_2Ru(CO)_{12}]$. Identification of organometallic products and a discussion of their role (M. Castiglioni, R. Giordano and E. Sappa), 111

Some novelties in the chemistry of organomagnesium compounds with zirconium complexes (U.M. Dzhemilev, R.M. Sultanov and R.G. Gaimaldinov), 1

Zum Mechanismus der Heck-Reaktion: Katalysator-Deaktivierung durch PC-Bindungsbruch (W.A. Herrmann, C. Broßmer, K. Öfele, M. Beller und H. Fischer), C1

Chirality

Dynamic stereochemistry in the titanocene series with central and planar chirality. X-Ray structure and relative configuration of the racemic form (m.p. 186°C) of $[(\eta^5\text{-}1\text{-}Me\text{-}2\text{-}^iPrC_5H_3)(\eta^5\text{-}C_5H_5)Ti(2,6\text{-}Me_2C_6H_3O)Cl]$ (J. Besançon, J. Szymoniak, C. Moïse, L. Toupet and B. Trimaille), 31

Chiral phospholes

Asymmetric hydroformylation of styrene catalysed by platinum–tin complexes with chiral bis-binaphthophosphole ligands (S. Gladiali, D. Fabbri and L. Kollàr), 91

Chromium

Chromium–carbon multiple bonds: aminocarbyne complexes of chromium bearing isocyanide ligands (A.C. Filippou, C. Mehnert, K.M.A. Wanninger and M. Kleine), 47

Clusters

Metal carbonyl clusters in homogeneous catalysis. Hydrogenation and isomerization of cyclic dienes in the presence of $[H_4Ru_4(CO)_{12}]$, $[H_2Ru_4(CO)_{13}]$, $[H_2FeRu_3(CO)_{13}]$ and $[Fe_2Ru(CO)_{12}]$. Identification of organometallic products and a discussion of their role (M. Castiglioni, R. Giordano and E. Sappa), 111

Reaction of the $[H_2Ru_3Rh(CO)_{12}]^-$ cluster anion with PPh_3: synthesis and structural characterization of $H_2Ru_3Rh_2(CO)_{13}(PPh_3)$ (H.J. Kakkonen, M. Ahlgrèn, J. Pursiainen and T.A. Pakkanen), 195

Cobalt

Metallkomplexe mit biologisch wichtigen Liganden. LXXVI. Halbsandwichkomplexe von Cobalt(III), Iridium(III) und Ruthenium(II) mit Amiden von 2-Hydroxyiminocarbonsäuren (R. Lampeka, R. Bergs, R. Fernández de Bobadilla, K. Polborn, S. Mihan und W. Beck), 203

Copper

Binuclear complexes of rhodium or copper with pentamethylcyclopentadienyltricarbonyltungsten. Crystal structure of $(\eta^5\text{-}C_5Me_5)(CO)W(\mu\text{-}CO)_2Rh(PPh_3)_2$ (W.E. Lindsell, K.J. McCullough and S. Plancq), 275

Copper(I) chloride

Isomerization of 1-alkenes using the $Na_2Fe(CO)_4/CuCl$ and $Na_2Fe(CO)_4/BrCH_2CH_2Br$ reagent systems (M. Rama Reddy and M. Periasamy), 263

Crystal structure

Carbene complexes. XXIV. Preparation and characterization of two enetetramine-derived carbenerhodium(I) chloride complexes $RhCl(L^R)_3$ and $[RhCl(COD)L^R]$ {L^R = CN(Me)-C(CH)$_4$CNMe-*o*} and the preparation and X-ray structures of the enetetramine L_2^R and its salt $[L_2^R][BF_4]_2$ (E. Çetinkaya, P.B. Hitchcock, H. Küçükbay, M.F. Lappert and S. Al-Juaid), C7

Reaction of the $[H_2Ru_3Rh(CO)_{12}]^-$ cluster anion with PPh_3: synthesis and structural characterization of $H_2Ru_3Rh_2(CO)_{13}(PPh_3)$ (H.J. Kakkonen, M. Ahlgrèn, J. Pursiainen and T.A. Pakkanen), 195

Reactions of benzoylmethylenetriphenylphosphorane with mercury(II) halides: spectral and structural characterization of $[(C_6H_5)_3PCHCOC_6H_5 \cdot HgCl_2]_2 \cdot 2CH_3OH$ and $[(C_6H_5)_3PCHCOC_6H_5 \cdot HgI_2]_2$ (M. Kalyanasundari, K. Panchanatheswaran, W.T. Robinson and H. Wen), 103

Synthesis and properties of amido- and alkoxopalladium(II) complexes with tmeda (*N*,*N*,*N*′,*N*′-tetramethylethylenediamine) ligand (Y.-J. Kim, J.-C. Choi and K. Osakada), 97

Synthesis of dimanganese complexes containing mixed bridging phosphido ligands; crystal structures of $[Mn_2(\mu\text{-}PPh_2)(\mu\text{-}PPhMn(CO)_5)(CO)_8]$ and $[Mn_2(\mu\text{-}PPhH)(\mu\text{-}PPhCOMe)(CO)_8]$ (L. Manojlovic-Muir, K.W. Muir, M.C. Jennings, M.J. Mays, G.A. Solan and K.W. Woulfe), 255

Synthesis of monomercurated N-protected pyrroles and the use of these compounds as pyrrolyl group transfer reagents to ruthenium and osmium. Crystal structures of (2-C$_4$H$_3$NC[O]CH$_3$)HgCl, $(2\text{-}C_4H_3NC[O]CH_3)_2Hg$ and Ru(2-C$_4$H$_3$NSO[O]Ph)(S$_2$CNMe$_2$)(CO)(PPh$_3$) (G.R. Clark, M.M.P. Ng, W.R. Roper and L.J. Wright), 219

The X-ray crystal structures of $ClPh_2SnFe(CO)_3(NO)$ and $Ph_3SnFe(CO)_3(NO)$ and a re-investigation of the IR spectra of $XR_2SnFe(CO)_3(NO)$ species (M. Kay, K.M. Mackay and B.K. Nicholson), 247

Über Metallalkyl- und Arylverbindungen. LIV. Neue Triphenylmethyl-Verbindungen des Kaliums: $[KCPh_3(PMDTA)]$, $[KCPh_3(DIGLYM)]_n$ und $[KCPh_3(THF)]_n$ (H. Viebrock, T. Panther, U. Behrens und E. Weiss), 19

Cyano complexes

Synthesis of organic heterocycles via multicomponent reactions with cyano transition metal complexes (D. Rieger, S.D. Lotz,

U. Kernbach, C. André, J. Bertran-Nadal and W.P. Fehlhammer), 135

Cyclobutenylidene complexes
Ein einfacher Syntheseweg für Cyclobutenylidenwolfram-Komplexe—Struktur von Pentacarbonyl(phenylacetylen)wolfram (H. Fischer, H.-P. Volkland, A. Früh und R. Stumpf), 267

Cyclohexadienes
Metal carbonyl clusters in homogeneous catalysis. Hydrogenation and isomerization of cyclic dienes in the presence of $[H_4Ru_4(CO)_{12}]$, $[H_2Ru_4(CO)_{13}]$, $[H_2FeRu_3(CO)_{13}]$ and $[Fe_2Ru(CO)_{12}]$. Identification of organometallic products and a discussion of their role (M. Castiglioni, R. Giordano and E. Sappa), 111

Cyclometallation
Some novelties in the chemistry of organomagnesium compounds with zirconium complexes (U.M. Dzhemilev, R.M. Sultanov and R.G. Gaimaldinov), 1

η-Cyclopentadieryl
Mono-η-cyclopentadienyl-benzamidinato chloro compounds of titanium, zirconium and hafnium (R. Gómez, R. Duchateau, A.N. Chernega, J.H. Teuben, F.T. Edelmann and M.L.H. Green), 153

Dinuclear complexes
Oxidation of palladium(I) dimers: formation and X-ray crystal structure of $[(Me_3P)_2Pd(\mu\text{-}OH)_2Pd(PMe_3)_2](CF_3SO_3)_2$ (G. Pieri, M. Pasquali, P. Leoni and U. Englert), 27

Dithiocarbamates
Syntheses of carbene and alkenyl derivatives of palladium. Solid-state structures of $\{(Me_2NCS_2)Pd(PEt_3)[\eta^1\text{-}C(N(CH_3)C(CH_3)_3)CH_3]\}BPh_4$ and $\{(Me_2NCS_2)Pd(PEt_3)[\eta^1\text{-}C(NHC(CH_3)_3)CH_3]\}PF_6 \cdot Et_2O$ (D.L. Reger and J.E. Collins), 159

Double hydrostannation
Double hydrostannation of terminal alkynes in the presence of thiol (J.-C. Meurice, M. Vallier, S. André, M. Ratier and J.-G. Duboudin), C5

DTA-investigation
Beiträge zur Chemie organometallischer metallacyclischer Nebengruppenmetallverbindungen. XII. Synthese, NMR-spektroskopische Untersuchung und Kristallstruktur von $[Li(TMEDA)]_2Ni(CH_2CMe_2CMe_2CH_2)_2$ **1** —vergleichende DTA-Untersuchungen von **1** und unsubstituierten Nickelacyclopentan-Komplexen der Zusammensetzung $[LiL_x]_2Ni(CH_2CH_2CH_2CH_2)_2$ (L = TMEDA, THF, d_8-THF) (R. Wyrwa, H.-O. Fröhlich und H. Görls), 41

Electrochemistry
Synthesis and properties of novel substituted 4,5,6,7-tetrahydroindenes and selected metal complexes (R.N. Austin, T.J. Clark, T.E. Dickson, C.M. Killian, T.A. Nile, D.J. Schabacker and A.T. McPhail), 11

Electron transfer
Reaction on the addition of some organometallic compounds to 3,6-di-*tert*-butyl-*o*-benzoquinone: new *o*-quinones (G.A. Abakumov, V.K. Cherkasov, L.G. Abakumova, V.I. Nevodchikov, N.O. Druzhkov, N.P. Makarenko and Ju.A. Kursky), 127

Enetetramine
Carbene complexes. XXIV. Preparation and characterization of two enetetramine-derived carbenerhodium(I) chloride complexes $RhCl(L^R)_3$ and $[RhCl(COD)L^R]$ {L^R = CN(Me)-C(CH)$_4$CNMe-*o*} and the preparation and X-ray structures of the enetetramine L_2^R and its salt $[L_2^R][BF_4]_2$ (E. Çetinkaya, P.B. Hitchcock, H. Küçükbay, M.F. Lappert and S. Al-Juaid), C7

Ferrocene ligand
Reactivity of a (Fe–NO)–(Fe–NO_3) system in the presence of a ferrocene–ferricinium group tethered nearby via a ferrocenyl phosphine linkage (FcP_2): crystal structures of $[\{Fe(NO)_2Cl\}_2(\mu\text{-}FcP_2)]$ and $[Fe(NO)_2(FcP_2)]$ (V. Munyejabo, J.-P. Damiano, M. Postel, C. Bensimon and J.L. Roustan), 61

Fluxionality
Binuclear complexes of rhodium or copper with pentamethylcyclopentadienyltricarbonyltungsten. Crystal structure of $(\eta^5\text{-}C_5Me_5)(CO)W(\mu\text{-}CO)_2Rh(PPh_3)_2$ (W.E. Lindsell, K.J. McCullough and S. Plancq), 275

Fullerene
New organometallic complexes of buckminsterfullerene having π-bonded nickel, palladium, or platinum with triorganophosphite ligands, and their characterisation (F.J. Brady, D.J. Cardin and M. Domin), 169

Hafnium
Mono-η-cyclopentadienyl-benzamidinato chloro compounds of titanium, zirconium and hafnium (R. Gómez, R. Duchateau, A.N. Chernega, J.H. Teuben, F.T. Edelmann and M.L.H. Green), 153

Half-sandwich complexes
Metallkomplexe mit biologisch wichtigen Liganden. LXXVI. Halbsandwichkomplexe von Cobalt(III), Iridium(III) und Ruthenium(II) mit Amiden von 2-Hydroxyiminocarbonsäuren (R. Lampeka, R. Bergs, R. Fernández de Bobadilla, K. Polborn, S. Mihan und W. Beck), 203

Heck reaction
Zum Mechanismus der Heck-Reaktion: Katalysator-Deaktivierung durch PC-Bindungsbruch (W.A. Herrmann, C. Broßmer, K. Öfele, M. Beller und H. Fischer), C1

Hydrogenation
Metal carbonyl clusters in homogeneous catalysis. Hydrogenation and isomerization of cyclic dienes in the presence of $[H_4Ru_4(CO)_{12}]$, $[H_2Ru_4(CO)_{13}]$, $[H_2FeRu_3(CO)_{13}]$ and $[Fe_2Ru(CO)_{12}]$. Identification of organometallic products and a discussion of their role (M. Castiglioni, R. Giordano and E. Sappa), 111

2-Hydroxyimino carboxylic acid
Metallkomplexe mit biologisch wichtigen Liganden. LXXVI. Halbsandwichkomplexe von Cobalt(III), Iridium(III) und Ruthenium(II) mit Amiden von 2-Hydroxyiminocarbonsäuren (R. Lampeka, R. Bergs, R. Fernández de Bobadilla, K. Polborn, S. Mihan und W. Beck), 203

Imido complexes
Monopentamethylcyclopentadienyl isocyanide, amine and imido tantalum(V) complexes. X-ray crystal structure of $[TaCp^*Cl_4(CN\text{-}2,6\text{-}Me_2C_6H_3)]$ (M. Gómez, P. Gómez-Sal, M.P. Nicolás and P. Royo), 121

Indenes
Synthesis and properties of novel substituted 4,5,6,7-tetrahydroindenes and selected metal complexes (R.N. Austin, T.J. Clark, T.E. Dickson, C.M. Killian, T.A. Nile, D.J. Schabacker and A.T. McPhail), 11

Indenyl
The formation and molecular structure of $[Na(THF)_6][(\eta^5\text{-}C_9H_7)_3Pr(\mu\text{-}Cl)Pr(\eta^5\text{-}C_9H_7)_3]$ (Z. Ye, S. Wang, D. Kong and X. Huang), 57

Infrared spectroscopy
The X-ray crystal structures of $ClPh_2SnFe(CO)_3(NO)$ and $Ph_3SnFe(CO)_3(NO)$ and a re-investigation of the IR spectra of $XR_2SnFe(CO)_3(NO)$ species (M. Kay, K.M. Mackay and B.K. Nicholson), 247
Iridium
Metallkomplexe mit biologisch wichtigen Liganden. LXXVI. Halbsandwichkomplexe von Cobalt(III), Iridium(III) und Ruthenium(II) mit Amiden von 2-Hydroxyiminocarbonsäuren (R. Lampeka, R. Bergs, R. Fernández de Bobadilla, K. Polborn, S. Mihan und W. Beck), 203
Iron
Metal carbonyl clusters in homogeneous catalysis. Hydrogenation and isomerization of cyclic dienes in the presence of $[H_4Ru_4(CO)_{12}]$, $[H_2Ru_4(CO)_{13}]$, $[H_2FeRu_3(CO)_{13}]$ and $[Fe_2Ru(CO)_{12}]$. Identification of organometallic products and a discussion of their role (M. Castiglioni, R. Giordano and E. Sappa), 111
Reactivity of a (Fe–NO)–($Fe–NO_3$) system in the presence of a ferrocene–ferricinium group tethered nearby via a ferrocenyl phosphine linkage (FcP_2): crystal structures of $[\{Fe(NO)_2Cl\}_2(\mu\text{-}FcP_2)]$ and $[Fe(NO)_2(FcP_2)]$ (V. Munyejabo, J.-P. Damiano, M. Postel, C. Bensimon and J.L. Roustan), 61
Synthesis and crystal structure of $[(CO)_6Fe_2(\mu\text{-}SeCH_3)_2]$ (P. Mathur, R. Trivedi, M. Hossain Md., S.S. Tavale and V.G. Puranik), 291
Synthesis and properties of novel substituted 4,5,6,7-tetrahydroindenes and selected metal complexes (R.N. Austin, T.J. Clark, T.E. Dickson, C.M. Killian, T.A. Nile, D.J. Schabacker and A.T. McPhail), 11
The X-ray crystal structures of $ClPh_2SnFe(CO)_3(NO)$ and $Ph_3SnFe(CO)_3(NO)$ and a re-investigation of the IR spectra of $XR_2SnFe(CO)_3(NO)$ species (M. Kay, K.M. Mackay and B.K. Nicholson), 247
Iron–copper bonds
Isomerization of 1-alkenes using the $Na_2Fe(CO)_4/CuCl$ and $Na_2Fe(CO)_4/BrCH_2CH_2Br$ reagent systems (M. Rama Reddy and M. Periasamy), 263
Iron pentacarbonyl
Isomerization of 1-alkenes using the $Na_2Fe(CO)_4/CuCl$ and $Na_2Fe(CO)_4/BrCH_2CH_2Br$ reagent systems (M. Rama Reddy and M. Periasamy), 263
Iron tetracarbonyl
Isomerization of 1-alkenes using the $Na_2Fe(CO)_4/CuCl$ and $Na_2Fe(CO)_4/BrCH_2CH_2Br$ reagent systems (M. Rama Reddy and M. Periasamy), 263
Isocyanides
Chromium–carbon multiple bonds: aminocarbyne complexes of chromium bearing isocyanide ligands (A.C. Filippou, C. Mehnert, K.M.A. Wanninger and M. Kleine), 47
Isomerization
Isomerization of 1-alkenes using the $Na_2Fe(CO)_4/CuCl$ and $Na_2Fe(CO)_4/BrCH_2CH_2Br$ reagent systems (M. Rama Reddy and M. Periasamy), 263
Isonitrile complexes
Monopentamethylcyclopentadienyl isocyanide, amine and imido tantalum(V) complexes. X-ray crystal structure of $[TaCp^*Cl_4(CN\text{-}2,6\text{-}Me_2C_6H_3)]$ (M. Gómez, P. Gómez-Sal, M.P. Nicolás and P. Royo), 121

Macrocycla
Cyclodimethylsilethenes $(Me_2SiCH{=}CH)_n$ (M.G. Voronkov, O.G. Yarosh and G.Yu. Turkina), 215
Magnesium
Some novelties in the chemistry of organomagnesium compounds with zirconium complexes (U.M. Dzhemilev, R.M. Sultanov and R.G. Gaimaldinov), 1
Manganese
Synthesis of dimanganese complexes containing mixed bridging phosphido ligands; crystal structures of $[Mn_2(\mu\text{-}PPh_2)\{\mu\text{-}PPhMn(CO)_5\}(CO)_8]$ and $[Mn_2(\mu\text{-}PPhH)(\mu\text{-}PPhCOMe)(CO)_8]$ (L. Manojlovic-Muir, K.W. Muir, M.C. Jennings, M.J. Mays, G.A. Solan and K.W. Woulfe), 255
Mechanism of deactivation
Zum Mechanismus der Heck-Reaktion: Katalysator-Deaktivierung durch PC-Bindungsbruch (W.A. Herrmann, C. Broßmer, K. Öfele, M. Beller und H. Fischer), C1
Mercury
Reactions of benzoylmethylenetriphenylphosphorane with mercury(II) halides: spectral and structural characterization of $[(C_6H_5)_3PCHCOC_6H_5 \cdot HgCl_2]_2 \cdot 2CH_3OH$ and $[(C_6H_5)_3PCHCOC_6H_5 \cdot HgI_2]_2$ (M. Kalyanasundari, K. Panchanatheswaran, W.T. Robinson and H. Wen), 103
Synthesis of monomercurated N-protected pyrroles and the use of these compounds as pyrrolyl group transfer reagents to ruthenium and osmium. Crystal structures of $(2\text{-}C_4H_3NC[O]CH_3)HgCl$, $(2\text{-}C_4H_3NC[O]CH_3)_2Hg$ and $Ru(2\text{-}C_4H_3NSO[O]Ph)(S_2CNMe_2)(CO)(PPh_3)$ (G.R. Clark, M.M.P. Ng, W.R. Roper and L.J. Wright), 219
Metal–fullerene complex
New organometallic complexes of buckminsterfullerene having π-bonded nickel, palladium, or platinum with triorganophosphite ligands, and their characterisation (F.J. Brady, D.J. Cardin and M. Domin), 169
Metallocenes
Synthesis and properties of novel substituted 4,5,6,7-tetrahydroindenes and selected metal complexes (R.N. Austin, T.J. Clark, T.E. Dickson, C.M. Killian, T.A. Nile, D.J. Schabacker and A.T. McPhail), 11
Methyl
Cyclodimethylsilethenes $(Me_2SiCH{=}CH)_n$ (M.G. Voronkov, O.G. Yarosh and G.Yu. Turkina), 215
Molecular structure
The formation and molecular structure of $[Na(THF)_6][(\eta^5\text{-}C_9H_7)_3Pr(\mu\text{-}Cl)Pr(\eta^5\text{-}C_9H_7)_3]$ (Z. Ye, S. Wang, D. Kong and X. Huang), 57
Molybdenum
Lone-pair ligand effects on the oxidative addition of methane to second-row transition metal complexes (P.E.M. Siegbahn), 231
Synthesis and properties of novel substituted 4,5,6,7-tetrahydroindenes and selected metal complexes (R.N. Austin, T.J. Clark, T.E. Dickson, C.M. Killian, T.A. Nile, D.J. Schabacker and A.T. McPhail), 11
Multicomponent reaction
Synthesis of organic heterocycles via multicomponent reactions with cyano transition metal complexes (D. Rieger, S.D. Lotz, U. Kernbach, C. André, J. Bertran-Nadal and W.P. Fehlhammer), 135
Multiple bonds
Chromium–carbon multiple bonds: aminocarbyne complexes of chromium bearing isocyanide ligands (A.C. Filippou, C. Mehnert, K.M.A. Wanninger and M. Kleine), 47

Nickel
New organometallic complexes of buckminsterfullerene having π-bonded nickel, palladium, or platinum with triorganophos-

phite ligands, and their characterisation (F.J. Brady, D.J. Cardin and M. Domin), 169

Nickelacyclopentanes

Beiträge zur Chemie organometallischer metallacyclischer Nebengruppenmetallverbindungen. XII. Synthese, NMR-spektroskopische Untersuchung und Kristallstruktur von $[Li(TMEDA)]_2\overline{Ni(CH_2CMe_2CMe_2CH_2)_2}$ **1** —vergleichende DTA-Untersuchungen von **1** und unsubstituierten Nickelacyclopentan-Komplexen der Zusammensetzung $[LiL_x]_2\overline{Ni(CH_2CH_2CH_2CH_2)_2}$ (L = TMEDA, THF, d_8-THF) (R. Wyrwa, H.-O. Fröhlich und H. Görls), 41

Niobium

Lone-pair ligand effects on the oxidative addition of methane to second-row transition metal complexes (P.E.M. Siegbahn), 231

Nitrato complex

Reactivity of a (Fe–NO)–(Fe–NO_3) system in the presence of a ferrocene–ferricinium group tethered nearby via a ferrocenyl phosphine linkage (FcP_2): crystal structures of $[\{Fe(NO)_2Cl\}_2(\mu\text{-}FcP_2)]$ and $[Fe(NO)_2(FcP_2)]$ (V. Munyejabo, J.-P. Damiano, M. Postel, C. Bensimon and J.L. Roustan), 61

Nitrosyl

Reactivity of a (Fe–NO)–(Fe–NO_3) system in the presence of a ferrocene–ferricinium group tethered nearby via a ferrocenyl phosphine linkage (FcP_2): crystal structures of $[\{Fe(NO)_2Cl\}_2(\mu\text{-}FcP_2)]$ and $[Fe(NO)_2(FcP_2)]$ (V. Munyejabo, J.-P. Damiano, M. Postel, C. Bensimon and J.L. Roustan), 61

The X-ray crystal structures of $ClPh_2SnFe(CO)_3(NO)$ and $Ph_3SnFe(CO)_3(NO)$ and a re-investigation of the IR spectra of $XR_2SnFe(CO)_3(NO)$ species (M. Kay, K.M. Mackay and B.K. Nicholson), 247

Norbornene

Single component ruthenium(IV) catalysts for the ring-opening polymerization of norbornene (S. Wache, W.A. Herrmann, G. Artus, O. Nuyken and D. Wolf), 181

O-quinones

Reaction on the addition of some organometallic compounds to 3,6-di-*tert*-butyl-*o*-benzoquinone: new *o*-quinones (G.A. Abakumov, V.K. Cherkasov, L.G. Abakumova, V.I. Nevodchikov, N.O. Druzhkov, N.P. Makarenko and Ju.A. Kursky), 127

Organic heterocycles

Synthesis of organic heterocycles via multicomponent reactions with cyano transition metal complexes (D. Rieger, S.D. Lotz, U. Kernbach, C. André, J. Bertran-Nadal and W.P. Fehlhammer), 135

Organopotassium compounds

Über Metallalkyl- und Arylverbindungen. LIV. Neue Triphenylmethyl-Verbindungen des Kaliums: $[KCPh_3(PMDTA)]$, $[KCPh_3(DIGLYM)]_n$ und $[KCPh_3(THF)]_n$ (H. Viebrock, T. Panther, U. Behrens und E. Weiss), 19

Osmium

Synthesis of monomercurated N-protected pyrroles and the use of these compounds as pyrrolyl group transfer reagents to ruthenium and osmium. Crystal structures of $(2\text{-}C_4H_3NC[O]CH_3)HgCl$, $(2\text{-}C_4H_3NC[O]CH_3)_2Hg$ and $\overline{Ru(2\text{-}C_4H_3NSO}[O]Ph)(S_2CNMe_2)(CO)(PPh_3)$ (G.R. Clark, M.M.P. Ng, W.R. Roper and L.J. Wright), 219

Oxidation

Reactivity of a (Fe–NO)–(Fe–NO_3) system in the presence of a ferrocene–ferricinium group tethered nearby via a ferrocenyl phosphine linkage (FcP_2): crystal structures of $[\{Fe(NO)_2Cl\}_2(\mu\text{-}FcP_2)]$ and $[Fe(NO)_2(FcP_2)]$ (V. Munyejabo, J.-P. Damiano, M. Postel, C. Bensimon and J.L. Roustan), 61

Palladium

New organometallic complexes of buckminsterfullerene having π-bonded nickel, palladium, or platinum with triorganophosphite ligands, and their characterisation (F.J. Brady, D.J. Cardin and M. Domin), 169

Oxidation of palladium(I) dimers: formation and X-ray crystal structure of $[(Me_3P)_2Pd(\mu\text{-}OH)_2Pd(PMe_3)_2](CF_3SO_3)_2$ (G. Pieri, M. Pasquali, P. Leoni and U. Englert), 27

Syntheses of carbene and alkenyl derivatives of palladium. Solid-state structures of $\{(Me_2NCS_2)Pd(PEt_3)[\eta^1\text{-}C(N(CH_3)C(CH_3)_3)CH_3]\}BPh_4$ and $\{(Me_2NCS_2)Pd(PEt_3)[\eta^1\text{-}C(NHC(CH_3)_3)CH_3]\}PF_6 \cdot Et_2O$ (D.L. Reger and J.E. Collins), 159

Synthesis and properties of amido- and alkoxopalladium(II) complexes with tmeda (*N*,*N*,*N*′,*N*′-tetramethylethylenediamine) ligand (Y.-J. Kim, J.-C. Choi and K. Osakada), 97

Zum Mechanismus der Heck-Reaktion: Katalysator-Deaktivierung durch PC-Bindungsbruch (W.A. Herrmann, C. Broßmer, K. Öfele, M. Beller und H. Fischer), C1

Pentamethylcyclopentadienyl

Binuclear complexes of rhodium or copper with pentamethylcyclopentadienyltricarbonyltungsten. Crystal structure of $(\eta^5\text{-}C_5Me_5)(CO)W(\mu\text{-}CO)_2Rh(PPh_3)_2$ (W.E. Lindsell, K.J. McCullough and S. Plancq), 275

Monopentamethylcyclopentadienyl isocyanide, amine and imido tantalum(V) complexes. X-ray crystal structure of $[TaCp^*Cl_4(CN\text{-}2,6\text{-}Me_2C_6H_3)]$ (M. Gómez, P. Gómez-Sal, M.P. Nicolás and P. Royo), 121

Phosphane complexes

Stereospezifische Umlagerung von P-halogensubstituierten Phosphorylid-Komplexen in Phosphan-Komplexe (H. Fischer, J. Schmid und J. Riede), 71

Phosphido

Synthesis of dimanganese complexes containing mixed bridging phosphido ligands; crystal structures of $[Mn_2(\mu\text{-}PPh_2)(\mu\text{-}PPhMn(CO)_5)(CO)_8]$ and $[Mn_2(\mu\text{-}PPhH)(\mu\text{-}PPhCOMe)(CO)_8]$ (L. Manojlovic-Muir, K.W. Muir, M.C. Jennings, M.J. Mays, G.A. Solan and K.W. Woulfe), 255

Phosphino carbene complexes

Amphiphilie kationischer η^2-Phosphinocarbenkomplexe des Wolframs (J. Ostermeier, W. Hiller und F.R. Kreißl), 283

Phosphorus

Lanthanoid-metal-mediated reaction of acylphosphonates: evidence for the formation of an acyllanthanoid complex (Y. Taniguchi, N. Fujii, K. Takaki and Y. Fujiwara), 173

Photolysis

Benzene migration and isomer interconversion in $Ru_5C(CO)_{12}(C_6H_6)$: Comparison of solution and isolation matrix phenomena (D.B. Brown, P.J. Dyson, B.F.G. Johnson and D. Parker), 189

Platinum

New organometallic complexes of buckminsterfullerene having π-bonded nickel, palladium, or platinum with triorganophosphite ligands, and their characterisation (F.J. Brady, D.J. Cardin and M. Domin), 169

Platinum catalysts

Asymmetric hydroformylation of styrene catalysed by platinum–tin complexes with chiral bis-binaphthophosphole ligands (S. Gladiali, D. Fabbri and L. Kollàr), 91

Polymerization

Single component ruthenium(IV) catalysts for the ring-opening polymerization of norbornene (S. Wache, W.A. Herrmann, G. Artus, O. Nuyken and D. Wolf), 181

Praseodymium
The formation and molecular structure of $[Na(THF)_6][(\eta^5\text{-}C_9H_7)_3Pr(\mu\text{-}Cl)Pr(\eta^5\text{-}C_9H_7)_3]$ (Z. Ye, S. Wang, D. Kong and X. Huang), 57
Propargylic derivatives
Double hydrostannation of terminal alkynes in the presence of thiol (J.-C. Meurice, M. Vallier, S. André, M. Ratier and J.-G. Duboudin), C5
Pyrrole
Synthesis of monomercurated N-protected pyrroles and the use of these compounds as pyrrolyl group transfer reagents to ruthenium and osmium. Crystal structures of $(2\text{-}C_4H_3NC[O]CH_3)HgCl$, $(2\text{-}C_4H_3NC[O]CH_3)_2Hg$ and $Ru(2\text{-}C_4H_3NSO)[O]Ph)(S_2CNMe_2)(CO)(PPh_3)$ (G.R. Clark, M.M.P. Ng, W.R. Roper and L.J. Wright), 219

Rhodium
Binuclear complexes of rhodium or copper with pentamethylcyclopentadienyltricarbonyltungsten. Crystal structure of $(\eta^5\text{-}C_5Me_5)(CO)W(\mu\text{-}CO)_2Rh(PPh_3)_2$ (W.E. Lindsell, K.J. McCullough and S. Plancq), 275
Carbene complexes. XXIV. Preparation and characterization of two enetetramine-derived carbenerhodium(I) chloride complexes $RhCl(L^R)_3$ and $[RhCl(COD)L^R]$ {L^R = CN(Me)-C(CH)$_4$CNMe-*o*} and the preparation and X-ray structures of the enetetramine L_2^R and its salt $[L_2^R][BF_4]_2$ (E. Çetinkaya, P.B. Hitchcock, H. Küçükbay, M.F. Lappert and S. Al-Juaid), C7
Reaction of the $[H_2Ru_3Rh(CO)_{12}]^-$ cluster anion with PPh_3: synthesis and structural characterization of $H_2Ru_3Rh_2(CO)_{13}(PPh_3)$ (H.J. Kakkonen, M. Ahlgrèn, J. Pursiainen and T.A. Pakkanen), 195
Ring opening
Single component ruthenium(IV) catalysts for the ring-opening polymerization of norbornene (S. Wache, W.A. Herrmann, G. Artus, O. Nuyken and D. Wolf), 181
Ruthenium
Benzene migration and isomer interconversion in $Ru_5C(CO)_{12}(C_6H_6)$: Comparison of solution and isolation matrix phenomena (D.B. Brown, P.J. Dyson, B.F.G. Johnson and D. Parker), 189
Lone-pair ligand effects on the oxidative addition of methane to second-row transition metal complexes (P.E.M. Siegbahn), 231
Metal carbonyl clusters in homogeneous catalysis. Hydrogenation and isomerization of cyclic dienes in the presence of $[H_4Ru_4(CO)_{12}]$, $[H_2Ru_4(CO)_{13}]$, $[H_2FeRu_3(CO)_{13}]$ and $[Fe_2Ru(CO)_{12}]$. Identification of organometallic products and a discussion of their role (M. Castiglioni, R. Giordano and E. Sappa), 111
Metallkomplexe mit biologisch wichtigen Liganden. LXXVI. Halbsandwichkomplexe von Cobalt(III), Iridium(III) und Ruthenium(II) mit Amiden von 2-Hydroxyiminocarbonsäuren (R. Lampeka, R. Bergs, R. Fernández de Bobadilla, K. Polborn, S. Mihan und W. Beck), 203
Reaction of the $[H_2Ru_3Rh(CO)_{12}]^-$ cluster anion with PPh_3: synthesis and structural characterization of $H_2Ru_3Rh_2(CO)_{13}(PPh_3)$ (H.J. Kakkonen, M. Ahlgrèn, J. Pursiainen and T.A. Pakkanen), 195
Synthesis of monomercurated N-protected pyrroles and the use of these compounds as pyrrolyl group transfer reagents to ruthenium and osmium. Crystal structures of $(2\text{-}C_4H_3NC[O]CH_3)HgCl$, $(2\text{-}C_4H_3NC[O]CH_3)_2Hg$ and $Ru(2\text{-}C_4H_3NSO)[O]Ph)(S_2CNMe_2)(CO)(PPh_3)$ (G.R. Clark, M.M.P. Ng, W.R. Roper and L.J. Wright), 219

Samarium
Lanthanoid-metal-mediated reaction of acylphosphonates: evidence for the formation of an acyllanthanoid complex (Y. Taniguchi, N. Fujii, K. Takaki and Y. Fujiwara), 173
Selenium
Synthesis and crystal structure of $[(CO)_6Fe_2(\mu\text{-}SeCH_3)_2]$ (P. Mathur, R. Trivedi, M. Hossain Md., S.S. Tavale and V.G. Puranik), 291
Silane
Cyclodimethylsilethenes $(Me_2SiCH{=}CH)_n$ (M.G. Voronkov, O.G. Yarosh and G.Yu. Turkina), 215
Silicon
Cyclodimethylsilethenes $(Me_2SiCH{=}CH)_n$ (M.G. Voronkov, O.G. Yarosh and G.Yu. Turkina), 215
Solvation effects
Über Metallalkyl- und Arylverbindungen. LIV. Neue Triphenylmethyl-Verbindungen des Kaliums: $[KCPh_3(PMDTA)]$, $[KCPh_3(DIGLYM)]_n$ und $[KCPh_3(THF)]_n$ (H. Viebrock, T. Panther, U. Behrens und E. Weiss), 19
Stannylene
Reaktivität von Magnesium- und Calcium-bis[bis(trimethylsilyl)-phosphanid] gegenüber Bis[bis(trimethylsilyl)amino]stannylen in Toluollösung (M. Westerhausen, M.M. Enzelberger und W. Schwarz), 83
Stereospecific rearrangement
Stereospezifische Umlagerung von P-halogensubstituierten Phosphorylid-Komplexen in Phosphan-Komplexe (H. Fischer, J. Schmid und J. Riede), 71
Supernucleophile
Isomerization of 1-alkenes using the $Na_2Fe(CO)_4/CuCl$ and $Na_2Fe(CO)_4/BrCH_2CH_2Br$ reagent systems (M. Rama Reddy and M. Periasamy), 263
Synthesis
Ein einfacher Syntheseweg für Cyclobutenylidenwolfram-Komplexe—Struktur von Pentacarbonyl(phenylacetylen)wolfram (H. Fischer, H.-P. Volkland, A. Früh und R. Stumpf), 267
Oxidation of palladium(I) dimers: formation and X-ray crystal structure of $[(Me_3P)_2Pd(\mu\text{-}OH)_2Pd(PMe_3)_2](CF_3SO_3)_2$ (G. Pieri, M. Pasquali, P. Leoni and U. Englert), 27

Tantalum
Monopentamethylcyclopentadienyl isocyanide, amine and imido tantalum(V) complexes. X-ray crystal structure of $[TaCp^*Cl_4(CN\text{-}2,6\text{-}Me_2C_6H_3)]$ (M. Gómez, P. Gómez-Sal, M.P. Nicolás and P. Royo), 121
Technetium
Lone-pair ligand effects on the oxidative addition of methane to second-row transition metal complexes (P.E.M. Siegbahn), 231
Thiol
Double hydrostannation of terminal alkynes in the presence of thiol (J.-C. Meurice, M. Vallier, S. André, M. Ratier and J.-G. Duboudin), C5
Tin
Reaktivität von Magnesium- und Calcium-bis[bis(trimethylsilyl)-phosphanid] gegenüber Bis[bis(trimethylsilyl)amino]stannylen in Toluollösung (M. Westerhausen, M.M. Enzelberger und W. Schwarz), 83
The X-ray crystal structures of $ClPh_2SnFe(CO)_3(NO)$ and $Ph_3SnFe(CO)_3(NO)$ and a re-investigation of the IR spectra of $XR_2SnFe(CO)_3(NO)$ species (M. Kay, K.M. Mackay and B.K. Nicholson), 247

Titanium
Dynamic stereochemistry in the titanocene series with central and planar chirality. X-Ray structure and relative configuration of the racemic form (m.p. 186°C) of [(η^5-1-Me-2-^{i}PrC$_5$H$_3$)(η^5-C$_5$H$_5$)Ti(2,6-Me$_2$C$_6$H$_3$O)Cl] (J. Besançon, J. Szymoniak, C. Moïse, L. Toupet and B. Trimaille), 31
Mono-η-cyclopentadienyl-benzamidinato chloro compounds of titanium, zirconium and hafnium (R. Gómez, R. Duchateau, A.N. Chernega, J.H. Teuben, F.T. Edelmann and M.L.H. Green), 153
Titanocene
Dynamic stereochemistry in the titanocene series with central and planar chirality. X-Ray structure and relative configuration of the racemic form (m.p. 186°C) of [(η^5-1-Me-2-^{i}PrC$_5$H$_3$)(η^5-C$_5$H$_5$)Ti(2,6-Me$_2$C$_6$H$_3$O)Cl] (J. Besançon, J. Szymoniak, C. Moïse, L. Toupet and B. Trimaille), 31
Triphenylmethyl carbanion
Über Metallalkyl- und Arylverbindungen. LIV. Neue Triphenylmethyl-Verbindungen des Kaliums: [KCPh$_3$(PMDTA)], [KCPh$_3$(DIGLYM)]$_n$ und [KCPh$_3$(THF)]$_n$ (H. Viebrock, T. Panther, U. Behrens und E. Weiss), 19
Tungsten
Amphiphilie kationischer η^2-Phosphinocarbenkomplexe des Wolframs (J. Ostermeier, W. Hiller und F.R. Kreißl), 283
Binuclear complexes of rhodium or copper with pentamethylcyclopentadienyltricarbonyltungsten. Crystal structure of (η^5-C$_5$Me$_5$)(CO)W(μ-CO)$_2$Rh(PPh$_3$)$_2$ (W.E. Lindsell, K.J. McCullough and S. Plancq), 275
Ein einfacher Syntheseweg für Cyclobutenylidenwolfram-Komplexe—Struktur von Pentacarbonyl(phenylacetylen)wolfram (H. Fischer, H.-P. Volkland, A. Früh und R. Stumpf), 267
Stereospezifische Umlagerung von P-halogensubstituierten Phosphorylid-Komplexen in Phosphan-Komplexe (H. Fischer, J. Schmid und J. Riede), 71
Synthesis and properties of novel substituted 4,5,6,7-tetrahydroindenes and selected metal complexes (R.N. Austin, T.J. Clark, T.E. Dickson, C.M. Killian, T.A. Nile, D.J. Schabacker and A.T. McPhail), 11

Vinyl
Cyclodimethylsilethenes (Me$_2$SiCH=CH)$_n$ (M.G. Voronkov, O.G. Yarosh and G.Yu. Turkina), 215

X-ray diffraction
Dynamic stereochemistry in the titanocene series with central and planar chirality. X-Ray structure and relative configuration of the racemic form (m.p. 186°C) of [(η^5-1-Me-2-^{i}PrC$_5$H$_3$)(η^5-C$_5$H$_5$)Ti(2,6-Me$_2$C$_6$H$_3$O)Cl] (J. Besançon, J. Szymoniak, C. Moïse, L. Toupet and B. Trimaille), 31
Monopentamethylcyclopentadienyl isocyanide, amine and imido tantalum(V) complexes. X-ray crystal structure of [TaCp*Cl$_4$-(CN-2,6-Me$_2$C$_6$H$_3$)] (M. Gómez, P. Gómez-Sal, M.P. Nicolás and P. Royo), 121
Oxidation of palladium(I) dimers: formation and X-ray crystal structure of [(Me$_3$P)$_2$Pd(μ-OH)$_2$Pd(PMe$_3$)$_2$](CF$_3$SO$_3$)$_2$ (G. Pieri, M. Pasquali, P. Leoni and U. Englert), 27
Reactivity of a (Fe–NO)–(Fe–NO$_3$) system in the presence of a ferrocene–ferricinium group tethered nearby via a ferrocenyl phosphine linkage (FcP$_2$): crystal structures of [{Fe(NO)$_2$-Cl}$_2$(μ-FcP$_2$)] and [Fe(NO)$_2$(FcP$_2$)] (V. Munyejabo, J.-P. Damiano, M. Postel, C. Bensimon and J.L. Roustan), 61
Reaktivität von Magnesium- und Calcium-bis[bis(trimethylsilyl)-phosphanid] gegenüber Bis[bis(trimethylsilyl)amino]stannylen in Toluollösung (M. Westerhausen, M.M. Enzelberger und W. Schwarz), 83
X-ray structure
Beiträge zur Chemie organometallischer metallacyclischer Nebengruppenmetallverbindungen. XII. Synthese, NMR-spektroskopische Untersuchung und Kristallstruktur von [Li(TMEDA)]$_2$Ni(CH$_2$CMe$_2$CMe$_2$CH$_2$)$_2$ **1** —vergleichende DTA-Untersuchungen von **1** und unsubstituierten Nickelacyclopentan-Komplexen der Zusammensetzung [LiL$_x$]$_2$-Ni(CH$_2$CH$_2$CH$_2$CH$_2$)$_2$ (L = TMEDA, THF, d$_8$-THF) (R. Wyrwa, H.-O. Fröhlich und H. Görls), 41
Ein einfacher Syntheseweg für Cyclobutenylidenwolfram-Komplexe—Struktur von Pentacarbonyl(phenylacetylen)wolfram (H. Fischer, H.-P. Volkland, A. Früh und R. Stumpf), 267

Ylide
Reactions of benzoylmethylenetriphenylphosphorane with mercury(II) halides: spectral and structural characterization of [(C$_6$H$_5$)$_3$PCHCOC$_6$H$_5$ · HgCl$_2$]$_2$ · 2CH$_3$OH and [(C$_6$H$_5$)$_3$-PCHCOC$_6$H$_5$ · HgI$_2$]$_2$ (M. Kalyanasundari, K. Panchanatheswaran, W.T. Robinson and H. Wen), 103
Ylide complexes
Stereospezifische Umlagerung von P-halogensubstituierten Phosphorylid-Komplexen in Phosphan-Komplexe (H. Fischer, J. Schmid und J. Riede), 71
Ytterbium
Lanthanoid-metal-mediated reaction of acylphosphonates: evidence for the formation of an acyllanthanoid complex (Y. Taniguchi, N. Fujii, K. Takaki and Y. Fujiwara), 173
Yttrium
Lone-pair ligand effects on the oxidative addition of methane to second-row transition metal complexes (P.E.M. Siegbahn), 231

Ziegler-Natta
Mono-η-cyclopentadienyl-benzamidinato chloro compounds of titanium, zirconium and hafnium (R. Gómez, R. Duchateau, A.N. Chernega, J.H. Teuben, F.T. Edelmann and M.L.H. Green), 153
Zinc
Reaction on the addition of some organometallic compounds to 3,6-di-*tert*-butyl-*o*-benzoquinone: new *o*-quinones (G.A. Abakumov, V.K. Cherkasov, L.G. Abakumova, V.I. Nevodchikov, N.O. Druzhkov, N.P. Makarenko and Ju.A. Kursky), 127
Zirconium
Lone-pair ligand effects on the oxidative addition of methane to second-row transition metal complexes (P.E.M. Siegbahn), 231
Mono-η-cyclopentadienyl-benzamidinato chloro compounds of titanium, zirconium and hafnium (R. Gómez, R. Duchateau, A.N. Chernega, J.H. Teuben, F.T. Edelmann and M.L.H. Green), 153
Some novelties in the chemistry of organomagnesium compounds with zirconium complexes (U.M. Dzhemilev, R.M. Sultanov and R.G. Gaimaldinov), 1